Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Sunday 19 Dec 2021 until 23:59 on Monday 20 Dec 2021

Forecast Issued on Saturday 18 Dec 2021 at 16:31

Confidence: High for largely settled and dry conditions through the coming days but low for cloud details and possible return to more unsettled conditions later in week.

Headline for Sunday 19 Dec 2021: Sunny on tops but low cloud, mist and fog lingering at low levels.

Mountain weather hazards on Sunday 19 Dec 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Clear night	Clear night	Clear night	Sunny	Sunny	Sunny intervals	Partly cloudy (night)	Fog
Precipitation probability							
00%	00%	00%	00%	00%	00%	00%	00%

Forecast for Sunday 19 Dec 2021

Weather: Clear or sunny on the hills but below about 300-450m, the top of a strong temperature inversion, low cloud mist and fog patches likely to be slow to clear through the day. Becoming more generally cloudy across eastern hills through the late afternoon and evening.

Chance of cloud free mountain/hill tops above 600m: 100% falling to 60% in the east in the late afternoon, although lower slopes likely to be affected by low cloud.

Visibility: Rather hazy below the cloud, and less than 100m in cloud or low level fog, but above about 300-450m visibility generally excellent, until later in east.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Met Office Mountain Weather Forecast

Forecast for Sunday 19 Dec 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/6 SW	3/5 NW	2/5 N	4/7 NE	6/8 NE	6/9 NE	9/14 E	11/16 NE	10/15 NE
300	1/4 SE	2/4 N	2/5 N	3/5 NE	4/7 NE	5/9 NE	6/14 NE	7/14 NE	7/14 NE
Valley	1/2 S	1/3 E	1/2 E	2/4 E	1/4 SE	2/6 E	5/9 E	6/11 E	5/10 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	8/6	7/6	6/5	6/4	6/4	4/1	1/-3	1/-4	1/-3
300	0/-1	0/-1	2/1	3/1	6/5	5/3	2/-1	2/-1	3/-0
Valley	1/-0	3/2	1/-1	3/2	6/5	5/4	3/1	3/0	3/1
Freezing Level*	1900m	1900m	1700m	1500m	1700m	1800m	1500m	1400m	1300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Strong temperature inversion with maximum temperatures around plus 10 or 11 Celsius above 450m.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sat 18 Dec 2021	Unreliable data	Unreliable data	Unreliable data

Forecast for Monday 20 Dec 2021

Weather: Some clearer spells at first in the west, but generally a cloudier day, perhaps some of the higher peaks poking through the cloud at times as the temperature inversion rises. Patchy drizzle or summit snow flurries developing, especially over more eastern hills.

Maximum wind: Easterly or around 10mph

Chance of cloud free mountain/hill tops above 600m: Close to zero, only a small chance of higher summits being free of cloud.

Visibility: Periods of persistent cloud above 300-450m with rather hazy visibility below.

Temperature: **Valleys:** Around plus 2 or 3 Celsius rising to plus 5 or 6 Celsius by day
At 600m: Plus 2 or 3 Celsius falling to around zero later
Freezing level: Above the summits, although shallow sub-zero layer may develop around 600-750m

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